

REMARKS

Claims 1-6, 12, 14-16, 18-20, 22 and 23 are pending in the application. Claims 1-3, 5 and 12-23 have been amended. Claims 7-11, 13, 17 and 21 have been canceled.

Claim Rejections – 35 U.S.C §112

The Examiner has rejected claims 1-23 under 35 U.S.C 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Independent Claims 1, 12, 16 and 20

Claim 1 has been amended to recite that the two-dimensional pyramid filter architecture includes one-dimensional pyramid filters of order $2N-1$ and two-dimensional pyramid filters of order $[2(N-1)-1]$. Applicant notes that the amended claims address the Examiner's assertions that "architecture fails to define structure," that "(a)rchitecture doesn't receive "input signals"," and that "architecture fails to be defined." In addition applicant notes that the amended claims address the Examiner's concern that "it is unclear as to how the one and two dimensional filters of lines 9-13 are related to the one and two dimensional filters of lines 5-6."

In addition, applicant respectfully notes that if, as recited, the two-dimensional pyramid filter architecture receives input signals and includes one-dimensional pyramid filters of order $2N-1$ and two-dimensional pyramid filters of order $[2(N-1)-1]$ and if the one-dimensional pyramid filters of order $2N-1$ and two-dimensional pyramid filters of order $[2(N-1)-1]$ produce output signals then the two-dimensional pyramid filter architecture receives input signals and produces output signals.

Applicant also respectfully notes that if, as recited, the one-dimensional pyramid filters of order $2N-1$ and two-dimensional pyramid filters of order $[2(N-1)-1]$ produce output signals and hence the two-dimensional pyramid filter architecture produces output signals, and if the recited adder circuit sums the output signals then the recited structural elements of the one-dimensional

pyramid filters of order $2N-1$, the two-dimensional pyramid filters of order $[2(N-1)-1]$ and the summer circuit are sufficiently related to the recited architecture and are sufficiently interconnected.

Claims 12, 16 and 20 have been amended in a similar manner.

Claims 2, 5, 13-14, 17-18 and 21-22

Claims 2 and 5 have been amended to be consistent with Claim 1 as amended.

Claims 13 and 14 have been amended to be consistent with Claim 12 as amended.

Claims 17 and 18 have been amended to be consistent with Claim 16 as amended.

Claims 21 and 22 have been amended to be consistent with Claim 20 as amended.

Claims 3, 15, 19 and 23

Claims 3, 15, 19 and 23 have been amended to correct a minor spelling error.

ALLOWABLE SUBJECT MATTER

The Examiner noted that claims 1-23 would be allowable if rewritten to overcome the rejections under 35 U.S.C. 112, second paragraph, set forth in the Office Action of February 5, 2004. Applicant respectfully notes that the claims have been amended to overcome the Examiner's rejection and are in condition for allowance.

Application No. 09/817,711
Reply to Office Action of February 5, 2004
Attorney Docket: 42390.P11275

CONCLUSION

In view of the foregoing, it is respectfully asserted that all of the claims pending in this patent application are in condition for allowance.

Should it be determined that an additional fee is due under 37 CFR §§1.16 or 1.17, or any excess fee has been received, please charge that fee or credit the amount of overcharge to deposit account #02-2666.

If the Examiner has any questions, he is invited to contact the undersigned at (503) 264-6473. Reconsideration of this patent application and early allowance of all the claims is respectfully requested.

Respectfully submitted,



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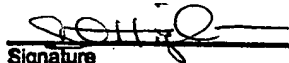
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